# PRIMERGY TX150 S7

***System configurator and order-information guide***

**June 2012**

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## PRIMERGY Server

# Instructions

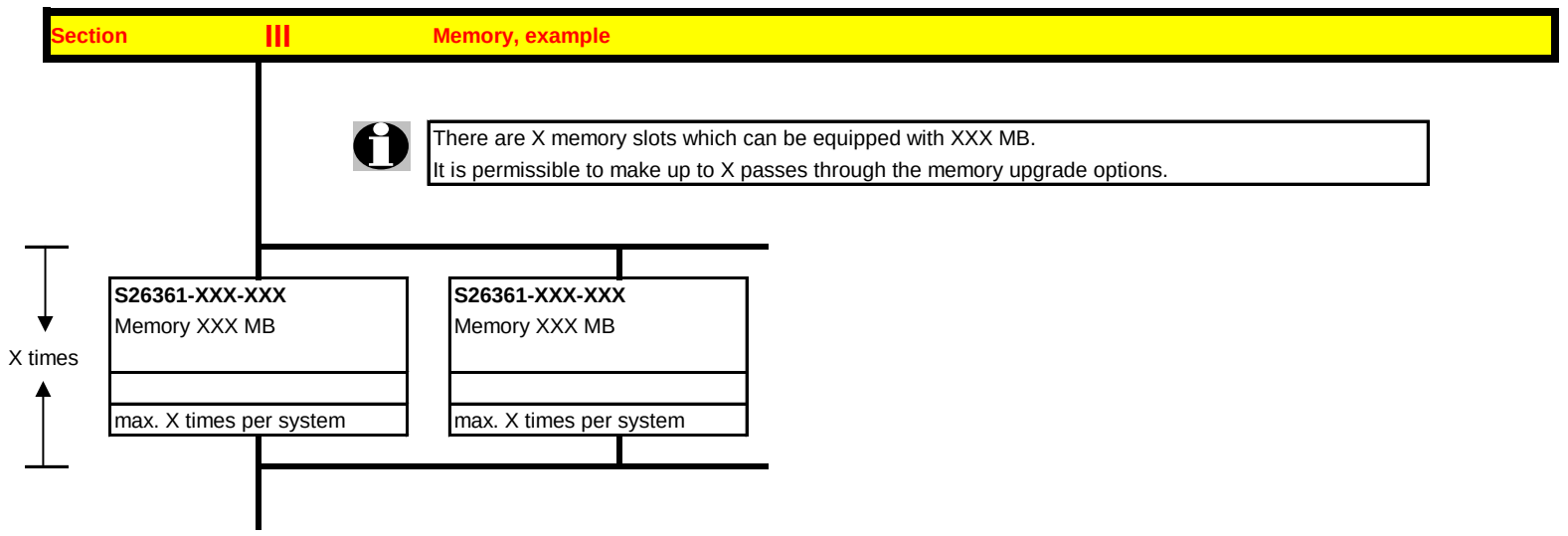
This document contains basic product and configuration information that will enable you to configure your system via PC-/ System-Architect.

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/ System-Architect

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.




In one chapter you can only select as many components (here 4x) as the arrow indicates.

Please note that there are information symbols which indicate necessary information.

**Further information in the internet see:**

http://ts.fujitsu.com/products/standard_servers/index.html (internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

Prices and availability see price list and PC-/ System-Architect
Subject to change and errors excepted

# Configuration diagram PRIMERGY TX150 S7 SATA LFF (3.5") System Unit

**System unit ( I )**

**SIDE VIEW**

**Standard Power Supply**

**or**

1. PSU | 2. PSU

**Redundant power supply option**

**PS (I)**

**Processor ( II )**

Intel CPU
(Dual-or Quad Core)

I / A | I / B
II / A | II / B
III / A | III / B

**System Fan**

**Memory ( III )**

each Clarkdale CPU offers **2** Banks (I, II) with 2 Channels each
each Lynnfield CPU offers **3** Banks (I, II, III) with 2 Channels each

**max. 6 PCI-Busses**

**Extension slots**

**SAS Controller ( VII )**
**Disk Array ( VIII )**
**Communication/Network ( IX )**
**Miscellaneous ( X )**

6.) Slot 6 ( 3,3V ): PCIe x8, short lp ready

5.) Slot 5 ( 3,3V ): PCIe x8, short

4.) Slot 4 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards; lp ready

3.) Slot 3 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards;

2.) Slot 2 ( 3,3V ): PCIe x8 (wired x4), long lp ready

1.) Slot 1 ( 5V ): PCI 32-Bit / 33MHz, long

**FRONT VIEW**

**3 x HH 5.25" free or**
**2 x HH 5,25" free + Option A**

**5.25" x 1.6"**

**5.25" x 1.6"**

**5.25" Slim Line**

**LSP/LSD Option**

**Accessible drives ( V )**

**Mounting Kit DVD(sl) + LSP/LSD: (Option A)**

- support for SL (0.5") DVD Drive + LSP /LPD
  (Local Service Panel / Local Service Display)
- occupies one 5.25" bay

one DVD (slim line or standard) is mandatory

**Hard disk drives ( VI )**

4x 3.5" HDD Frame

3.5"x1" SATA

3.5"x1" SATA

3.5"x1" SATA

3.5"x1" SATA

Key:

Included in basic unit

Option

A PCIe x4 card can also be plugged in a PCIe x8 slot

A PCIe x8 card can be plugged in the notched slots no. 3 and 4

PCI and PCI-X slots are mechanically not compatible to PCIe slots!

# Configuration diagram PRIMERGY TX150 S7 SAS LFF (3.5") System Unit

**System unit ( I )**

**SIDE VIEW**

**Standard Power Supply**

**or**

1. PSU | 2. PSU

**Redundant power supply option**

**PS (I)**

**Processor ( II )**

Intel CPU
(Dual-or Quad Core)

I / A | I / B
II / A | II / B
III / A | III / B

**System Fan**

**Memory ( III )**

each Clarkdale CPU offers **2** Banks (I, II) with 2 Channels each
each Lynnfield CPU offers **3** Banks (I, II, III) with 2 Channels each

**max. 6 PCI-Busses**

**Extension slots**

**SAS Controller ( VII )**
**Disk Array ( VIII )**
**Communication/Network ( IX )**
**Miscellaneous ( X )**

6.) Slot 6 ( 3,3V ): PCIe x8, short lp ready

5.) Slot 5 ( 3,3V ): PCIe x8, short

4.) Slot 4 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards; lp ready

3.) Slot 3 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards;

2.) Slot 2 ( 3,3V ): PCIe x8 (wired x4), long lp ready

1.) Slot 1 ( 5V ): PCI 32-Bit / 33MHz, long

**FRONT VIEW**

**3 x HH 5.25" free or**
**2 x HH 5,25" free + Option A**

**5.25" x 1.6"**

**5.25" x 1.6"**

**5.25" Slim Line**

**LSP/LSD Option**

**Accessible drives ( V )**

**Mounting Kit DVD(sl) + LSP/LSD: (Option A)**

- support for SL (0.5") DVD Drive + LSP /LPD
  (Local Service Panel / Local Service Display)
- occupies one 5.25" bay

one DVD (slim line or standard) is mandatory

**Hard disk drives ( VI )**

4x 3.5" HDD Frame

3.5"x1" SAS / SATA

3.5"x1" SAS / SATA

3.5"x1" SAS / SATA

3.5"x1" SAS / SATA

A mix of SAS and Eco SATA HDDs is not allowed!

Key:

Included in basic unit

Option

A PCIe x4 card can also be plugged in a PCIe x8 slot

A PCIe x8 card can be plugged in the notched slots no. 3 and 4

PCI and PCI-X slots are mechanically not compatible to PCIe slots!

# Configuration diagram PRIMERGY TX150 S7 SAS / SATA SFF (2.5") System Unit

**System unit ( I )**

**SIDE VIEW**

**Standard Power Supply**

**or**

1. PSU | 2. PSU

**Redundant power supply option**

**PS (I)**

**Processor ( II )**

**System Fan**

Intel CPU
(Dual-or Quad Core)

I / A | I / B
II / A | II / B
III / A | III / B

**Memory ( III )**

each Clarkdale CPU offers **2** Banks (I, II) with 2 Channels each
each Lynnfield CPU offers **3** Banks (I, II, III) with 2 Channels each

**max. 6 PCI-Busses**

**Extension slots**

**SAS Controller ( VII )**
**Disk Array ( VIII )**
**Communication/Network ( IX )**
**Miscellaneous ( X )**

6.) Slot 6 ( 3,3V ): PCIe x8, short lp ready

5.) Slot 5 ( 3,3V ): PCIe x8, short

4.) Slot 4 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards; lp ready

3.) Slot 3 ( 3,3V ): PCIe x4 (wired x1), short notched, possible to plug x8cards;

2.) Slot 2 ( 3,3V ): PCIe x8 (wired x4), long lp ready

1.) Slot 1 ( 5V ): PCI 32-Bit / 33MHz, long

**FRONT VIEW**

**3 x HH 5.25" free or**
**2 x HH 5,25" free + Option A**

**5.25" x 1.6"**

**5.25" x 1.6"**

**5.25" Slim Line**

**LSP/LSD Option**

**Accessible drives ( V )**

**Mounting Kit DVD(sl) + LSP/LSD: (Option A)**

- support for SL (0.5") DVD Drive + LSP /LPD
  (Local Service Panel / Local Service Display)
- occupies one 5.25" bay

one DVD (slim line or standard) is mandatory

**Hard disk drives ( VI )**

8x SFF HDD Frame

2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA
2.5" (SFF) SAS / SATA

A mix of SAS and SATA is not allowed!

Key:

Included in basic unit

Option

A PCIe x4 card can also be plugged in a PCIe x8 slot

A PCIe x8 card can be plugged in the notched slots no. 3 and 4

PCI and PCI-X slots are mechanically not compatible to PCIe slots!

**Start PRIMERGY TX150 S7**

**SW Configurator IA32**

**with OEM-Software**
for PRIMERGY Server

**without OEM-Software**
for PRIMERGY Server

OEM-SW is bound to HW and
is not allowed to be ordered
separately.

For all SW products please refer to the corresponding software configurator accessible via
the Extranet under Configuration & Tools, -All configurations, -Software, URL see below.

**Microsoft - Software: **)**
- Small Business Server 2003
- Windows Server 2003 R2,
  Standard Edition
  Enterprise Edition
  ! Web Edition, SP2/English
- Additional loose
  Client-Access-Licenses (CALs)
  (not for Web Edition)

**PRIMECLUSTER *)**
- Clustering
- Load Balancing

**Linux - Software: **)**
- Open Enterprise Server ***)
- SuSE Linux ES (OEM): LO
- SuSE Linux ES (Support): LS
- Red Hat EL (OEM): LO
- Red Hat EL (Support): LS

**Manageability Software: V**)**
- iRMC2 advanced Pack
- RemoteDeploy
'- Altiris Server Deployment

**Backup-Software /
Application-Software: U**
- ARCserve
- openSM2

**Details eg. version numbers are published
in the separate SW-Configurator**

****) Pay attention to release and order information in PRINCE -> Operating System**
https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx

**They find single software configurators and release lists (OS-matrix / system management / security) under following addresses:**

**for internal users:** http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx
**for partners:** https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx

**Continue with PRIMERGY
HW configurator**

**Start PRIMERGY TX150 S7**

**SW Configurator EM64T**

**with OEM-Software**
for PRIMERGY Server

**without OEM-Software**
for PRIMERGY Server

OEM-SW is bound to HW and is not allowed to be ordered separately.

For all SW products please refer to the corresponding software configurator accessible via the Extranet under Configuration & Tools, -All configurations, -Software, URL see below.

| | **Microsoft - Software: W** |
|---|---|
| **only EM64T** | - Windows Server 2008, Standard x64 Edition<br>Enterprise x64 Edition<br>- Additional loose Client-Access-Lizenzen (CALs) |

| | **Linux - Software *) **)** |
|---|---|
| **only x86_64** | - SuSE Linux ES (OEM): LO<br>- SuSE Linux ES (Support): LS<br>- Red Hat EL (OEM): LO<br>- Red Hat EL (Support): LS |

**Manageability Software: V**)**
- iRMC2 advanced Pack
- RemoteDeploy

**Details eg. version numbers are published in the separate SW-Configurator**

**) Pay attention to release and order information in PRINCE -> Operating System
https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx

**You'll find single software configurators and release lists (OS-matrix / system management / security) under following addresses:**

**for internal users:** http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx
**for partners:** https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx

**Continue with PRIMERGY HW configurator**

Start PRIMERGY TX150 S7

Section | Basic unit

## System unit, Rack and Floorstand, including:

*** Two lockable front covers in floorstand version**
Door #1 for accessible drive bays
Door #2 for hot plug HDD bays
Both doors may be locked or door #1 may be left open while door #2 is still locked
*** backplane with 4 bays for hot-plug HD's. Type depending on base unit:**
Type 1: 4x hot plug LFF (3.5") SAS/SATA HDD (SAS/SATA LFF base units only)
Type 2: 8x hot plug SFF (2.5") SAS or SATA HDD (SAS SFF base units only)
*** 1 power supply (Standard Ps with 350W or hot plug PSU with 450W)**
**in addition there is an upgrade to hot plug redundant PSU available**
*** System fan ( No Hot-plug, No redundancy )**
*** 3 bays 5.25" for accessible drives (half Hight)**
**Systemboard D2759 with:**
*** heat pipe for the CPU**
*** Chipset Intel® 3420(codenamed Foxhollow Ibexpeak)**
*** 6 PCI slots: 2 x PCIe x8 Gen2**
**2 x PCIe x1 (x4 connected, slit for x8 usage) Gen2**
**1 x PCIe x4 (x8 connected) Gen2**
**1 x 32Bit / PCI 33MHz, ( 5V )**
*** 6 memory slots for max. 24GB with 6x 4GB registered DDR3 RAM or**
**max. 16GB with 4GB unbuffered DDR3 RAM available**
**- Memory is divided into 6 DIMMs per CPU ( 2 channels with 3 slots per channel )**
**- Max. 3 registered modules or 2 unbuffered modules are possible per channel**
**- No mix of registered and unbuffered modules is allowed**
**- First Memory ( one module ) has to be selected for an orderable basic unit**
**- Memory upgrade is possible module wise**
**- SDDC (Chipkill) is not supported**
*** SATA-Controller on board (supporting RAID 0/1)**
*** 1 Gbit Ethernet LAN on board ( Intel Hartwell ) with ToE;**
**and iSCSI boot integrated in System BIOS as selectable option**
*** iRMC S2 (integrated Remote Management Controller) on-board server management controller**
**with dedicated 10/100 Service LAN-port and**
**integrated graphics controller ( max. Resolution: 1600 x 1200 at 16 bpp)**

**Interfaces:**
* 1x RS-232-C (9-pin) (usable for BMC or OS or shared)
* 1x RS-232-C (serial, 9pin), as option
* 1x VGA (15 pin)
* 10x USB **2.0** ( UHCI ) with **480MBit/s** (4x external at the rear, 3x external at the frontside,
3x internal USB Interfaces for backup devices, uSSD and internal memory stick, no USB wakeup)
* 1x LAN RJ45, 1x Service-LAN RJ45 switchable

***internal Cables:**
**1. SATA cable for BD/DVD.**
**2. Cable for HDD Backplane**

*** ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates**
*** Documentation engl. (multilingual on CD)**

A

**A**

## Floorstand-version

**Basic unit without CPU and Memory**

**- One CPU ( first CPU ) has to be configured additionally for a base configuration**

**- One memory kit has to be configured for a base configuration**

**SAS/SATA LFF (3.5") Floorstand-version with:**
- 4-port SAS backplane for 4 hot plug LFF (3.5") SAS/SATA HDDs incl. cables for connection to the onboard SATA or plug in SAS controller

**- SAS/SATA LFF (3.5") Base Unit**

| | |
|---|---|
| standard PSU | S26361-K1265-V101 |
| hot plug PSU | S26361-K1265-V201 |

**SAS SFF (2.5") Floorstand-version with:**
- 8-port SAS backplane for 8 hot plug SFF (2.5") SAS HDDs incl. cables for connection to the plug in SAS controller

**- SAS SFF (2.5") Base Unit**

| | |
|---|---|
| standard PSU | S26361-K1265-V301 |
| hot plug PSU | S26361-K1265-V401 |

## Rack-version (5U)

**Basic unit without CPU and Memory**
Including 1 power cord with inlet connector for non-heating apparatus

**- One CPU ( first CPU ) has to be configured additionally for a base configuration**

**- One memory kit has to be configured for a base configuration**

**SAS/SATA LFF (3.5") Rack-version with:**
- 4-port SAS backplane for 4 hot plug LFF (3.5") SAS/SATA HDDs incl. cables for connection to the onboard SATA or plug in SAS controller

**- SAS/SATA LFF (3.5") Base Unit**

| | |
|---|---|
| hot plug PSU | S26361-K1265-V601 |

**SAS SFF (2.5") Rack-version with:**
- 8-port SAS backplane for 8 hot plug SFF (2.5") SAS HDDs incl. cables for connection to the plug in SAS controller

**- SAS SFF (2.5") Base Unit**

| | |
|---|---|
| hot plug PSU | S26361-K1265-V801 |

| **S26361-F3552-E1** |
|---|
| TPM Module |
| Trusted Platform Module on Motherboard |
| Use according to import restrictions |
| max. 1x per system |

**B1**

| **S26361-F3552-E1** |
|---|
| TPM Module |
| Trusted Platform Module on Motherboard |
| Use according to import restrictions |
| max. 1x per system |

**B2**

| **S26361-F3552-L1** |
|---|
| TPM Module add-on kit |
| for later integration (loose delivery) |
| Trusted Platform Module on Motherboard |
| Use according to import restrictions |
| max. 1x per system |

The LFF Base Units offer onboard SATA functionality for up to 4 HDD.
An additional SAS controller is required if you need support for SAS HDD.

Be aware of import restrictions!
Only 1 TPM per system.
Loose delivery for later integration possible for customer.

**B1**

**B2**

**S26361-F2735-E111**
No Rackmount-Kit option
Only for loose deliveries
No mounting in Racks possible
max. 1x per system

**S26361-F2735-E202**
RMK-F2_3-XU SERVER
telescopic rail, full extraction,
1-hand-mounting
consisting of
- 1 pair of telescopic rails
  with easy-mounting-clips
- 1 bracket DC-PC-3rd-Rack
1x per system

**S26361-F2735-L202**
RMK-F2_3-xU-Servers_13mm-Drop-in Rails
for loose delivery
S26361-F2735-L31
Adapter angle till 50Kg MUST be
ordered for PC/DC-Rack's additionally.

**S26361-F2735-L202**
RMK-F2_3-XU SERVER
for loose delivery

**S26361-F2735-E7**
Cable management PC-Rack
- for Primecenter /
  Datacenter Racks
- not for 3rd party
1x per system

**S26361-F2201-E20**
Cable arm 3rd P-Rack
- for 3rd party
1x per system

**S26361-F2735-L7**
Cable management PC-Rack
for loose delivery

**S26361-F2201-L20**
Cable arm 3rd party racks
for loose delivery

**PRIMERGY PRIMECENTER-rack**

**SNP:SY-F1647E301-P**
**Installation ex works for one**
**server or subsystem.**
**Hereby the rack will be delivered**
**completely pre-mounted and**
**all wired connections are tested.**
With racks 12U, 24U, 38U:
Systems and components
will be delivered installed in the rack
With racks 46U:
Systems and components
will be delivered separately
To be ordered only together with
a PRIMERGY PRIMECENTER rack
e.g.:
S26361-K826-V10x
**refer configurator PC-Rack**
max. 1x per System

**"Rack-mounting ex factory"**
**This service is to be ordered once**
**per installable server/storage**
**subsystem, in order to get the**
**server/storage subsystem**
**mounted into the PRIMERGY racks.**
**In case of the 46 U PRIMERGY Rack,**
**this service has to be ordered,**
**to get the mounting kits and the**
**cables installed.**

| **For later conversion the following kits are available:** | **FSC PC-/DC-/3rd party- Rack** |
|---|---|
| **1.) Conversion kit 2 Floor -> Rack**<br>Conversion PRIMERGY TX150 S7 base unit floorstand into base unit rack with 5U. Only conversion, no mounting kit. Mounting kit has to be ordered seperatly | **S26361-F2618-L260**<br>**plus** |
| **2.) Mounting Kit FSC PC-/DC-/3rd party- Rack**<br>**no** cable management<br>This kit will fit in server racks conforming to EIA standards EIA-310-D for 19" racks. | **S26361-F2735-L202**<br>**and** S26361-F2735-L31 Adapter angle for servers up to 50kg MUST be ordered for PC/DC-Rack's additionally. |
| **3.) cable management or cable arm**<br>**to be ordered additionally**<br>FSC PC-/DC- Rack cable management or 3rd party- Rack cable arm | either one to be ordered<br>**S26361-F2735-L7 or**<br>**S26361-F2201-L20** |

**S26113-F540-E11**
2nd power supply module (PSU)
for redundancy
occupies one bay for
hot plug power supply
max. 1x per system

| **For Base Units with hot plug PSU only (V201, V401, V601, V801)** | |
|---|---|
| **Floorstand Versions**<br>A second, redundant power supply requires an additional power cord (section XIII) | |
| **For later conversion of basic units with standard power supply to hot plug power supply, the following kit is available:** | |
| 1.) hot plug PS upgrade kit, incl. 1 PS module + cable: Conversion standard into hot plug PS | S26113-F540-L1 |
| 2.) Supplementary power supply module for redundancy or repair | S26113-F540-L11 |

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## Section II Processor

**One of following CPU´s has to be selected for an orderable basic unit**

### Dual-Core CPU`s

- 1x 64-bit Intel
  Celeron (2MB SLC), Pentium (3MB SLC) or
  Core-i3 (4MB SLC)
  occupies socket for one CPU

| | | |
|---|---|---|
| Pentium G6950 2.80GHz 3MB 2C 1066MHz (73W) | S26361-F3588-E280 | |
| Core i3-530 2.93GHz 4MB 2C/4T 1333MHz (73W) | S26361-F3587-E293 | on special release |
| Core i3-540 3.06GHz 4MB 2C/4T 1333MHz (73W) | S26361-F3587-E306 | |
| Core i3-550 3.20GHz 4MB 2C/4T 1333MHz (73W) | S26361-F3587-E320 | on special release |

### Quad-Core XEON CPU`s

- 1x 64-bit Intel Xeon UP (8MB shared TLC = Third Level Cache)
  Hyper-Threading (HT not with X3430); 1333 MHz DDR3 Bus and heat pipe
  occupies socket for one CPU

| | | |
|---|---|---|
| Xeon X3430 2.40GHz 8MB 4C/4T 1333MHz Turbo (95W) | S26361-F3578-E343 | |
| Xeon X3440 2.53GHz 8MB 4C/8T 1333MHz Turbo (95W) | S26361-F3578-E344 | on special release |
| Xeon X3450 2.66GHz 8MB 4C/8T 1333MHz Turbo (95W) | S26361-F3578-E345 | |
| Xeon X3460 2.80GHz 8MB 4C/8T 1333MHz Turbo (95W) | S26361-F3578-E346 | |
| Xeon X3470 2.93GHz 8MB 4C/8T 1333MHz Turbo (95W) | S26361-F3578-E347 | |
| Xeon X3480 3.06GHz 8MB 4C/8T 1333MHz Turbo (95W) | S26361-F3578-E348 | on special release |

### Low Voltage Xeon CPU`s

- 1x 64-bit Intel Xeon LV UP (4/8MB shared TLC = Third Level Cache)
  Hyper-Threading (HT); 1066 or 1333 MHz DDR3 Bus and heat pipe
  occupies socket for one CPU

| | |
|---|---|
| Xeon L3406 2.26GHz 4MB 2C/4T 1066MHz Turbo (30W) | S26361-F3586-E226 |
| Xeon L3426 1.86GHz 8MB 4C/8T 1333MHz Turbo (45W) | S26361-F3586-E186 |

## Section III Memory

There are 6 memory slots to be used for max. 6 registered DIMMS or max. 4 unbuffered DIMMS.
Registered DIMMS are configurable for XEON CPUs only
=> max. 24GB registered DDR3 RAM for RDIMMs with 4GB moduels
=> max. 16GB unbuffered DDR3 RAM for UDIMMs with 4GB moduels

**Minimum one memory module or order code = first memory**

4x / 6x

Unbuffered (ub) UDIMMs

| - One **DDR3-** ub ECC memory module | |
|---|---|
| 1GB 1333 SR | S26361-F3335-E513 |
| 2GB 1333 SR/DR | S26361-F3335-E514 |
| 4GB 1333 DR | S26361-F3335-E515 |

**Choose up to 4 order codes above.**

Registered (reg) RDIMMs

| - One **DDR3** reg ECC memory module | | |
|---|---|---|
| 2GB 1333 SR/DR | S26361-F3336-E514 | max 6x |
| 4GB 1333 DR | S26361-F3336-E515 | max 6x |
| 8GB 1066 QR | S26361-F3336-E516 | max 4x |

**Choose up to 4 / 6 order codes above for 4C CPU type only ! not for Pentium, Core i3, Celeron and Xeon L3406**

**Unbuffered UDIMMs cannot be mixed with registered RDIMMs**

## Section IV Graphics

**Graphics controller integrated in iRMC2 (integrated Remote Management Controller)
( max. Resolution: 1600 x 1200 at 16bpp )**

| **S26361-F2748-E537** |
|---|
| PY VGA LP card 512MB PCI-e x1 |
| NVIDIA NVS300<br>512 MB PCIe-x1 |
| 2x DVI or 2x VGA or<br>1x DVI plus 1x VGA<br>cables adapters included |
| Dual head + fully 3-D<br>supported for Windows OS<br>only native driver support for Linux OS |
| full high bracket |
| max. 1x per system |

The hight end optional NVIDIA NVS300 graphic card offers dual head operation and fully 3D video support.
The cables for either two times DVI or VGA connections are part of the delivery.
**Remote Video direction via iRMC must be disabled.**
This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.
Only one card per server is allowed.

***PY VGA card must be installed in slot 4***

| **S26361-F2748-L537** |
|---|
| PY VGA LP card 512MB PCI-e x1 |
| for loose delivery |

D

## Section V Energy Star

| S26361-F3301-E151 |
|---|
| TX150S7 E-Star Fam1 |
| for all dual core CPUs with std. PSU |
| Limits configuration in accordance |
| with Energy Star requirements |
| max. 1x per system |

| S26361-F3301-E152 |
|---|
| TX150 S7 E-Star Fam2 |
| for all quad core CPUs with red. PSU |
| Limits configuration in accordance |
| with Energy Star requirements |
| max. 1x per system |

Please select

Estar Fam1 for all base units with std PSU: S26361-K1265-V101 or -201 or
Estar Fam2 for all base units with red PSU: S26361-K1265-V201, -V401, -V601 or -V801

**All following order units are not allowed together with TX150S7 E-Star Fam1:**

| | |
|---|---|
| Xeon X3430 | S26361-F3578-E343 |
| Xeon X3440 | S26361-F3578-E344 |
| Xeon X3450 | S26361-F3578-E345 |
| Xeon X3460 | S26361-F3578-E346 |
| Xeon X3470 | S26361-F3578-E347 |
| Xeon X3480 | S26361-F3578-E348 |
| Xeon L3426 | S26361-F3586-E186 |

**All following order units are not allowed together with TX150S7 E-Star Fam2:**

| | |
|---|---|
| Celeron G1101 | S26361-F3589-E226 |
| Pentium G6950 | S26361-F3588-E280 |
| Core i3-530 | S26361-F3587-E293 |
| Core i3-540 | S26361-F3587-E306 |
| Core i3-550 | S26361-F3587-E320 |
| Xeon L3406 | S26361-F3586-E306 |
| Memory 1GB ub. | S26361-F3335-E226 |

**All following components are not allowed together with any Energy Star certification!**
**If you need one of them, please cancel the Energy star order component!**

### Tape Drives w. Controller

| S26361-F3257-E4 |
|---|
| 4 port SAS RAID Controller |
| **S26361-F3626-E1/-F3627-E1** |
| Tape drive LTO4/5HH Ultrium SAS |
| **S26361-F3561-E4** |
| Tape drive LTO3HH Ultrium SAS |
| **S26361-F4009-E4** |
| Tape drive LTO2HH Ultrium SAS |

### USB Tape Drives

| S26361-F3324-E4 |
|---|
| Tape drive DDS Gen5 USB 5.25" |
| **S26361-F3325-E4** |
| Tape drive DDS Gen6 USB 5.25" |
| **S26361-...** |
| Tape drive DDSGen7 USB 5.25" |
| **S26361-F3857-E4** |
| RDX drive USB 5.25" internal |

### LAN Controller

| S26361-F3462-E1 |
|---|
| Gigabit Ethernet Quad 1000TX |
| **S26361-F3555-E1** |
| 10 Gigabit Eth. Contr. 2port SFP+ |

### Controller for ext. Backup or SAS

| S26361-F3270-E1 |
|---|
| SCSI U320 Controller |
| **S26361-F3271-E1** |
| 8port SAS |
| **S26361....(Wasat)** |
| 8 port SAS RAID Controller |

### 3,5" SAS HDDs

| S26361-F3291-E514 |
|---|
| HD 146GB 15krpm 3.5" |
| **S26361-F4005-E530** |
| HD 300GB 15krpm 3.5" |
| **S26361-F4005-E545** |
| HD 450GB 15krpm 3.5" |
| **S26361-F4005-E560** |
| HD 600GB 15krpm 3.5" |

### VGA Card

| S26361-F2748-E533 |
|---|
| PY VGA card 256MB PCI-e x1 |

D

**Section VI Accessible drives**

There are 3 bays (1.6" x 5.25") for accessible drives.

**S26361-F2826-E204**
Mounting Kit DVD(sl) + LSP/LSD
Occupies one 5.25" x 1.6" bays in the accessible bay area
Offers bays for:
- 1x LSP/LSD option
- 1x 0.5 * 5.25" SATA DVD

max. 1x per system

see Conf. diagram Option A

**S26361-F2557-E202**
Local Service Panel incl. ad.
Customer Self Service LSP module incl. adapter
0.5" x 5.25"
max. 1x per System

**S26361-F2557-E105**
Local Service Display incl. ad.
Customer Self Service LSD module incl. adapter
0.5" x 5.25"
max. 1x per System

**S26361-F3641-E2**
Blu-ray Triple Writer slim SATA
6x BD-RW, 8x DVD, 24x CD BD DL and all CD/DVD formats
0.5 x 5.25"
max. 1x per system

**S26361-F3531-E2**
Blu-ray Combo slim SATA
6x BD-ROM, 16x DVD, 40x CD BD DL and all CD/DVD formats
0.5 x 5.25", black bezel
max. 1x per system

**S26361-F3269-E2**
DVD-RW supermulti slim SATA
all formats, DUAL/DL, DVD-RAM only W2K, W3K and Linux
0.5 x 5.25", black bezel
max. 1x per system

**S26361-F3266-E2**
DVD-ROM HH SATA
16x DVD 48x CD
1.6 x 5.25", black bezel
max. 1x per system

**S26361-F3267-E2**
DVD-RW supermulti HH SATA
all formats, DUAL/DL, DVD-RAM only W2K, W3K and Linux
1.6 x 5.25", black bezel
max. 1x per system

**S26361-F3530-E2**
Blu-ray Combo HH SATA
6x BD-ROM, 16x DVD, 40x CD BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
max. 1x per system

**S26361-F3585-E2**
Blu-ray Triple Writer HH SATA
4x BD-RW, 16x DVD, 40x CD BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
max. 1x per system

| Following USB Components are available | |
|---|---|
| 1) USB DVD SM / Blu-Ray | |
| External SuperMulti Drive (as soon as released) | S26341-F103-L119 |
| External Blu-Ray Drive (as soon as released) | S26341-F103-L120 |
| 2) USB Keyboard: | S26381-K340-V120 |
| KBPC PX D, professional keyboard | |
| 3) USB Mouse: | S26381-K415-L100 |
| Optical Wheel Mouse Tilt USB/PS2 | |
| 4) USB Memorybird: | |
| MyUSBS A910 8GB | S26391-F6048-L208 |
| MyUSBS A910 16GB | S26391-F6048-L216 |

E

E

**internal backup devices**

| **S26361-F3257-E4** |
|---|
| 4 port **SAS** RAID Controller |
| LSI |
| MegaRAID SAS 1064 |
| no Cache, no BBU |
| RAID 0, 1 & 1E |
| SAS 3Gb/sec |
| 4 internal ports |
| PCIe x4, 160mm |
| max. 1x per system |

1x

| **S26361-F4009-E4** ★ | **S26361-F3561-E4** ★ | **S26361-F3626-E1** ★ | **S26361-F3627-E1** |
|---|---|---|---|
| Tape drive LTO2HH Ultrium SAS | Tape drive LTO3HH Ultrium SAS | Tape drive LTO4HH Ultrium | Tape drive LTO5HH Ultrium SAS |
| 200GB, 24MB/s, SAS 3Gb | 400GB, 60MB/s, SAS 3Gb | 800GB, 120MB/s, SAS 3Gb | 1500GB, 140MB/s, SAS 6Gb |
| Connector: mini-SAS | Connector: mini-SAS | Connector: mini-SAS | Connector: mini-SAS |
| incl. SAS cable | incl. SAS cable | incl. SAS cable | incl. SAS cable |
| incl. description (Ger/US) | incl. description (Ger/US) | incl. description (Ger/US) | incl. description (Ger/US) |
| cleaning cartridge | cleaning cartridge | cleaning cartridge | cleaning cartridge |
| 1.6 * 5.25", black bezel | 1.6 * 5.25", black bezel | 1.6 * 5.25" | 1.6 * 5.25", black bezel |
| max. 1x per system | max. 1x per system | max. 1x per system | max. 1x per system |

1x

| **S26361-F3324-E4** | **S26361-F3325-E4** | **S26361-F3857-E4** |
|---|---|---|
| Tape drive DDS Gen5 USB 5.25" | Tape drive DDS Gen6 USB 5.25" | RDX drive USB 5.25" internal |
| 36GB, 3MB/s, USB 2.0 | 80GB, 6MB/s, USB 2.0 | 80-320GB, 25MB/s, USB 2.0 |
| Connector: USB "B" | Connector: USB "B" | Connector: USB "B" |
| with USB cable | with USB cable | with USB cable |
| incl. description (Ger/US) | incl. description (Ger/US) | incl. description (Ger/US) |
| cleaning cartridge | cleaning cartridge | without RDX cartridges |
| 1.6 * 5.25", black bezel | 1.6 * 5.25", black bezel | 1.6 * 5.25", black bezel |
| max. 1x per system | max. 1x per system | max. 1x per system |

**SCSI Controller for external backup Drives**

| **S26361-F3270-E1** |
|---|
| SCSI U320 Controller |
| Adaptec SCSI Card ASC-29320LPE (Colonial) |
| 1 channel: LVD |
| LVD connect. for HD, without cable |
| PCIe |
| max. 1x per system |

| RDX cartridges must be ordered separately |
|---|
| RDX 160GB = S26361-F3857-L160 |
| RDX 320GB = S26361-F3857-L320 |
| RDX 500GB = S26361-F3857-L500 |
| RDX 1TB = S26361-F3857-L600 |
| 10x RDX160 = S26361-F3857-L169 |
| 10x RDX320 = S26361-F3857-L329 |

**SAS Controller for external backup drives (FiberCat TXF)**

| **S26361-F3271-E1** |
|---|
| 8port SAS |
| LSI3442E |
| 4port intern, 4port extern |
| PCIe |
| |
| max. 1x per system |

| **S26361-F3628-E1** |
|---|
| SAS Controller 6Gb/s 8 port |
| LSI SAS9200-8e |
| PCIe 2.0 x4, |
| ext: 8 port |
| |
| max. 2x per system |

F

## Section VII Hard disks drives

Configurations with Eco SATA can only be mixed with BC SATA HDD type
SAS and BC SATA drives with the same size can be mixed, but not used in one logical RAID volume

### SAS/SATA LFF (3.5") Base Units: SAS HDDs Require SAS Controller! see section VIII internal Disk Array

There is a 6 port SATA controller in the Base Unit for connection of up to 4 SATA LFF hard disks
For up to 4 3,5" SAS hard Drives, you must configure 1 of 3 different 8port SAS controller

| Business Critical (BC) SATA 3Gb/s HD 3.5" with hot plug/hot replace tray | |
|---|---|
| 500GB 7.200rpm,<9,0ms, 8MB Cache | S26361-F3294-E500 |
| 750GB 7.200rpm,<9,0ms, 8MB Cache | S26361-F3294-E750 |
| 1000GB 7.200rpm,<9,0ms, 8MB Cache | S26361-F3294-E100 |
| 2000GB 7.200rpm,<9,0ms, 8MB Cache | S26361-F3294-E200 |
| max. 4x (or 6x) per system | |

**S26361-F3293-E250**
HD 250GB 7.2krpm 3.5"
7200rpm,<9.0 ms, 8MB Cache
**ECO SATA 3Gb/s**
hot plug/hot replace tray
**max. 4x (or 6x) per system**

4/6x

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| SAS 6Gb/s 3.5" with hot plug/hot replace tray | |
|---|---|
| 300GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4005-E530 |
| 450GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4005-E545 |
| 600GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4005-E560 |
| max. 4x (or 6x) per system | |

**S26361-F3291-E514**
HD 146GB 15krpm 3.5"
15.000rpm,<4ms, 8MB Cache
**SAS 3Gb/s**
hot plug/hot replace tray
**max. 4x (or 6x) per system**

### SAS / SATA SFF (2.5") Base Units: SAS HDDs Require SAS Controller! see section VIII internal Disk Array

you can choose between 3 types of 8 port SAS controller for the Base Unit.
Up to 8 SAS /SATA SFF (2.5") hard disks can be configured as standard.

**S26361-F3298-E32**
SSD 32GB
**SATA 3Gb/s**
hot plug/hot replace tray
**max. 8x per system**

**S26361-F3298-E64**
SSD 64GB
**SATA 3Gb/s**
hot plug/hot replace tray
**max. 8x per system**

| Business Critical (BC) SATA 3Gb/s HD 2.5" with hot plug/hot replace tray | |
|---|---|
| 250GB 7.200rpm,<10,5ms, 8MB Cache | S26361-F3601-E250 |
| 500GB 7.200rpm,<10,5ms, 8MB Cache | S26361-F3601-E500 |
| 1000GB 7.200rpm,<10,5ms, 8MB Cache | S26361-F3601-E100 |
| max. 8x per system | |

8x

| ECO SATA 3Gb/s HD 2.5" with hot plug/hot replace tray | |
|---|---|
| 160GB 5.400rpm,<10,5ms, 8MB Cache | S26361-F3297-E160 |
| 320GB 5.400rpm,<10,5ms, 8MB Cache | S26361-F3297-E320 |
| 500GB 5.400rpm,<10,5ms, 8MB Cache | S26361-F3297-E500 |
| max. 8x per system | |

Mix of ECO SATA with SAS HDDs is not possible !

G

| SAS 6Gb/s 2.5" with hot plug/hot replace tray | |
|---|---|
| 300GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4482-E130 |
| 450GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4482-E145 |
| 600GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4482-E160 |
| 900GB 10000rpm,<4,5ms, 8MB Cache | S26361-F4482-E190 |
| | |
| 73GB 15krpm,<4,5ms, 8MB Cache | S26361-F4482-E573 |
| 146GB 15krpm,<4,5ms, 8MB Cache | S26361-F4482-E514 |
| max. 8x per system | |

configuration of SAS-HDDs requires SAS RAID controller

G

## Section VIII External SAS Disk Array

**SAS RAID controller for JBOD subsystems**

| **S26361-F3593-E1** |
|---|
| 8 port SAS RAID Controller |
| LSI |
| **MegaRAID SAS9280-8e 6Gb/s** |
| 512MB Cache with ECC |
| RAID 0, 1, 10, 5, 50, 6 & 60 |
| without iBBU |
| SAS 3Gb/sec |
| 8 port external |
| PCIe x4, 167mm |
| low profile bracket |
| max. 1x per system |

| **S26361-F3257-E255** |
|---|
| Cache Battery Backup Unit |
| max. 1x per Controller |

| BBU max. 1x per system possible |
|---|
| for loose delivery please order |
| **S26361-F3257-L210** |

## Section IX Internal Disk Array

### SATA Configuration

**SATA Base Units contain a 6-port on-board SATA controller supporting RAID Levels 0, 1, 10**

### SAS Configuration

you can choose between 3 types of 8 port SAS controller for the Base Unit:
- LSI 1068e or 2008 based Modular RAID 0,1 (IME)
- LSI 2108 based Modular RAID 5,6

if you want to use SAS harddisks or a 2,5" Base Unit one Controller is required
On special request based on customising projects up to 4 SATA 2,5" HDDs can be configured without a controller

**Controller for 1 to 8 LFF (3.5") or SFF (2.5") HDD**

| **S26361-F3257-E8** |
|---|
| 8 port SAS RAID Controller |
| LSI |
| MegaRAID SAS 1068 |
| no Cache, no BBU |
| RAID 0, 1 & 1E |
| SAS 3Gb/sec |
| 8 internal ports |
| PCIe x4, 160mm |
| |
| max. 1x per system |

| **S26361-F3554-E8** |
|---|
| RAID Ctrl SAS 6G 8port internal |
| Based on chip LSISAS2008 |
| LSI MegaRAID |
| no Cache, no BBU |
| RAID 0, 1 & 1E |
| Support for 3Gb/s and 6Gb/s |
| SATA and SAS hard drives |
| PCIe x8 |
| Low-profile MD2 form factor |
| max. 1x per system |

| **S26361-F3554-E512** |
|---|
| RAID Ctrl SAS 6G 8port internal |
| Based on chip LSISAS2108 |
| LSI MegaRAID |
| 512MB Cache with ECC |
| RAID 0, 1, 10, 5, 50, 6, 60 |
| optional BBU |
| Support for 3Gb/s and 6Gb/s |
| SATA and SAS hard drives |
| PCIe x8 |
| Low-profile MD2 form factor |
| max. 1x per system |

| **S26361-F3257-E255** |
|---|
| Cache Battery Backup Unit |
| max. 1x per Controller |

| L-Order-Number is: |
|---|
| S26361-F3257-L210 |

H

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**Section X Communication / Network**

**1x on-board LAN Controller**

Fast Ethernet Controller on-board
1 Gbit Intel Hartwell
ext: for RJ 45-connector
SW: AFT, VLAN, Fast Channel

**Teaming: Failover, Load Balancing**
The Intel LAN server adapter
can be used with the on-board controller in Teaming Mode.
Two onboard LAN ports can likewise educate a team.

**A) PCI-Express Adapter 1000TX/SX**

2x

| **S26361-F3241-E1** | **S26361-F3242-E1** | **S26361-F3516-E1** |
|---|---|---|
| Gigabit Ethernet Contr. 1000TX | Gigabit Ethernet Contr. 1000SX | Gigabit Ethernet Controller 1000TX |
| Eth Ctrl 1x1Gbit PCI-e Pro/1000PT Cu | Eth Ctrl 1x1Gbit PCI-e Pro/1000PF LC | Eth Ctrl 1x1Gbit PCI-e Gigabit CT DT Cu |
| Intel PRO/1000 PT Server Adapter | Intel PRO/1000 PF Server Adapter | Intel® Gigabit CT Desktop Adapter |
| PCIe x1 | PCIe x4 | PCIe x1 |
| ext: for RJ45-connector, Cat 5 | ext:LC-connector | ext: for RJ45-connector, Cat 5 |
| max. 2x per system | max. 2x per system | max. 2x per system |

**B) Dual Port PCI-Express Adapter 1000TX/SX**

max. 3x

| **S26361-F3610-E2** |
|---|
| Gigabit Ethernet Controller Dual 1000TX |
| Eth Ctrl 2x1Gbit PCIe x4 D2735 Cu |
| Intel Kawela based 2 port Server Adapter |
| PCIe x4, |
| ext: for RJ45-plug, Cat 5 |
| max. 2x per system |

Loose delivery with:
S26361-F3610-L502

**C) Quad Port PCIe Adapter 1000TX**

| **S26361-F3611-E1** |
|---|
| Gigabit Ethernet Controller Quad 1000TX |
| Eth Ctrl 4x1Gbit PCIe x4 D2745 Cu |
| Intel Barton Hills based 4 Port Server Ad. |
| PCIe x4, |
| ext: for RJ45-plug, Cat 5 |
| max. 2x per system |

Loose delivery with:
S26361-F3611-L501

**D) 10GbE 2-Port SFP+ for MMF Module and Twinax Cable**

2x

| **S26361-F3629-E2** |
|---|
| (D2755) |
| 10 Gigabit Ethernet Contr. dual port SFP+ |
| Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+ |
| Intel Niantic based dual port 10Gb NIC |
| PCIe x8, Low Profile, Full Height Bracket |
| ext: 2x SFP+ cage |
| max. 2x per system |

**2**
**4**
**4**
**4**

The controller is delivered without SFP+ modules for optical cables, these must be ordered separately. Without SFP+ modules copper twinax cables are supported.

The adapter is also available as loose delivery with
FH and LP bracket included: S26361-F3629-L502

| **S26361-F3986-E3** |
|---|
| SFP+ Module MMF 10GbE LC |
| SFP+ module for 10 Gbit Ethernet FO cabling ext:LC-connector |
| max. 2x per adapter |

The SFP+ Module is also available as loose delivery
S26361-F3986-L3

Instead SFP+ Modules, SFP+ twinax cables from the switch vendors may be used

1x

| **S26361-F2571-E10** |
|---|
| Serial Port Option RS-232-C |
| Cable with 9-pin plug for a 2nd RS-232-C Serial Port Interface |
| occupies PCI slot |
| max. 1x per system |

In TX150 S7 the PCI-Slot used by this option is an otherwise unused Slot.
All 6 Slots remain available.

I

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**Section XI System management options**

**S26361-F1790-E241**
**iRMC2 advanced pack**
integrated remote management controller
activation key for
graphical console redirection
and remote media redirection
max. 1x per system

**Section XII Miscellaneous**

**S26361-F2571-E10**
External on-board serial port Interface
Cable and external
connector interface (9 pins)
fit´s PCI cutoff (see Info-Box)
max. 1x per system for ext.

housing offers addional cutoff - no PCI slot occupied

J

J

## Section XIII Country specific power cords

**S26361-F3301-E120**
CCC Certification for China

**Since the beginning of this year the specifications for the approval and production monitoring for China (CCC) have become stricter. This is why the CCC certification label must in future be ordered separately**

**A country specific power cord has to be ordered for all floorstand versions:**
**- once per basic unit and an additional second cable**
**- if an second hot plug, redundant power supply modul is ordered.**

max. 2 x

PRIMERGY TX150 S7 Floorstand

**Power cord for following countries:**
1,8 m, grey

| | |
|---|---|
| T26139-Y1740-E10 | D, A, B, F, NL, FIN, S, N, E, P, RUS, TR |
| T26139-Y1742-E10 | USA, Canada |
| T26139-Y1743-E10 | Switzerland |
| T26139-Y1744-E10 | UK, Ireland |
| T26139-Y1745-E10 | Italy |
| T26139-Y1746-E10 | Denmark |
| T26139-Y3850-E10 | Option "no powercord", for Countries without specific cable orderable like e.g. China |

PRIMERGY TX150 S7 Rack

**Country specific power cords are not required for rack versions, except for USA &Canada. Power cords are shipped in a rack version with inlet connector for non-heating apparatus. (1x with Standard PSU, 2x with hot plug upgrade)**

**T26139-Y1742-E10 USA, Canada**
For shipments to USA&Canada, you have to order one power cord (1,8m, grey) per power supply.

Attention: For connection of a monitor to the system an additional country specific power cord has to be ordered as option.

**Power cord for optional monitor connection for the following countries:**
1.8m, grey

| | |
|---|---|
| T26139-Y1740-L10 | D, A, B, F, NL, FIN, N, S, E, P, RUS, TR |
| T26139-Y1742-L10 | USA, Canada |
| T26139-Y1744-L10 | UK, IR |
| T26139-Y1745-L10 | Italy |
| T26139-Y1746-L10 | Denmark |

**Options and other peripherals**
For other options, refer to SystemArchitect and Pricelist.
These options are supplied lose with the shipment.
For suitable peripherals for this product, please refer to SystemArcitect.

Option for Floorstand

**USB keyboards for floorstand versions for following countries:**

| **USB standard Keyboard KB400** | **USB standard Keyboard KB500** | | **USB professional Keyboard KBPC PX** | **USB professional Keyboard KBPC PX ECO** |
|---|---|---|---|---|
| S26381-K550-E170 | S26381-K500-E170 | Switzerland | S26381-K340-E170 | S26381-K341-E170 |
| S26381-K550-E104 | S26381-K500-E104 | Czech/Slovak | S26381-K340-E104 | S26381-K341-E104 |
| S26381-K550-E120 | S26381-K500-E120 | Germany | S26381-K340-E120 | S26381-K341-E120 |
| S26381-K550-E180 | S26381-K500-E180 | Spain | S26381-K340-E180 | S26381-K341-E180 |
| S26381-K550-E140 | S26381-K500-E140 | France | S26381-K340-E140 | S26381-K341-E140 |
| S26381-K550-E165 | S26381-K500-E165 | United Kingdom | S26381-K340-E165 | S26381-K341-E165 |
| S26381-K550-E185 | S26381-K500-E185 | Italy | S26381-K340-E185 | S26381-K341-E185 |
| S26381-K550-E154 | S26381-K500-E155 | Sweden / Finland | S26381-K340-E155 | S26381-K341-E154 |
| S26381-K550-E102 | S26381-K500-E110 | USA / international | S26381-K340-E110 | S26381-K341-E110 |

option for floorstand

**Optional Mouse**

| | |
|---|---|
| S26381-K431-E100 | Mouse M480 black |
| S26381-K431-E101 | Mouse M480 grey |

**End PRIMERGY TX150 S7**

# Change Report

| Date | Order number | Changes |
|---|---|---|
| | | |
| 2012-02-28 | S26361-F3301-E120 | add CCC Certification |
| 2012-01-30 | S26361-F3641-E2 | new Blue-ray Triple Writer added |
| 2012-01-27 | L110 | for BBU eliminated |
| 2011-12-21 | S26361-F4482-E114 | SAS HD 6G 144GB - no longer available |
| 2011-10-01 | S26361-F3601-E250 | new BC SATA HD - now available |
| 2011-10-01 | S26361-F3298-E64 | 64 GB SSD - no longer available |
| 2011-05-03 | S26361-F3610-E2/L502 | Formal change from E1 / L501 |
| 2011-04-07 | S26361-F2735-L202 | Adapter angle …L31 must be ordered for asym. PC/DC racks additionally |
| 2010-12-30 | S26361-F3585-E2 | Blu-ray Triple Writer HH SATA - now available |
| 2010-11-18 | S26361-F3628-E1 | Ctrl SAS 6G 8port external added |
| 2010-09-30 | S26361-F3611-E1 | New Quad LAN GbE controller - now available |
| 2010-09-30 | S26361-F3610-E1 | New Dual LAN GbE controller - now available |
| 2010-09-30 | S26361-F3593-E1 | 8-port SAS-RAID Controller external - now available |
| 2010-09-13 | S26361-F3626-E1 | Upgrade - New LTO4 SAS drive |
| 2010-09-13 | S26361-F3627-E1 | New LTO5 SAS drive |
| 26.08.2010 | S26361-F4006-E145 | new HD - as soon as available |
| 26.08.2010 | S26361-F4006-E160 | new HD - as soon as available |
| 01.08.2010 | S26361-F3589-E226 | Celeron G1101 2.26GHz 2MB 2C 1066MHz (73W) entfällt |
| 2010-08-01 | S26361-F3611-E1 | New Quad LAN GbE controller - as soon as available |
| 2010-08-01 | S26361-F3610-E1 | New Dual LAN GbE controller - as soon as available |
| 2010-06-23 | S26381-K431-E101 | Added Mouse M480 grey |
| 2010-06-15 | S26361-F3578-E347 | Update on released CPUs |
| 2010-05-30 | | New KB400 and professional KBPC PX ECO Keyboards added |
| 2010-05-18 | S26361-F3578-E348 | Energy Star Restrictions extended |
| 2010-02-18 | S26361-F3593-E1 | MegaRAID SAS9280-8e 6Gb/s added |
| 2010-01-11 | S26361-F3294-E200 | new 2000GB SATA HD - as soon as available |
| 2010-01-01 | | First release |
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